

STR Authentication Report For Cell Line

1. Cell Name: BT-549

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: BT-549-Y01-Z-GZK			Cell name: BT-549		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	11		11	11	
D7S820	9	10		9	10	
D16S539	8	8		8	8	
VWA	15	15		15	15	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	10	12		10	12	
D12S391	20	20				
FGA	19	19				
D2S1338	17	17				
D21S11	32.2	32.2				
D18S51	15	15				
D8S1179	14	16				
D3S1358	18	18				
D6S1043	11	11				

PENTAE	14	14				
D19S433	15.2	15.2				
PENTAD	13	13				
D1S1656	12	17.3				

4. Conclusion: The STR results of **BT-549** cells are consistent with the genotypes of **BT-549** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-122** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

